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(54) CLOSED CAPTION DECODER

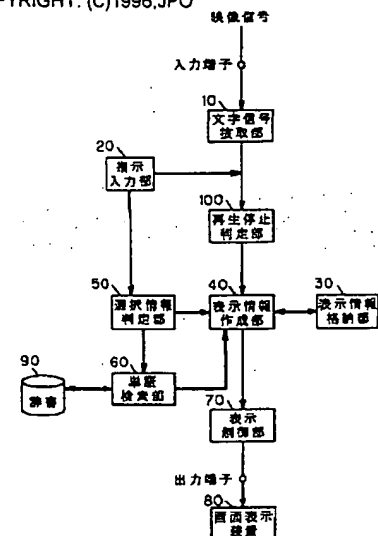
(57) Abstract:

**PURPOSE:** To sufficiently grasp contents of a caption by designating a work not understood in a caption and displaying a Japanese translation of a designated word so as to retrieve the word at any time during reception.

**CONSTITUTION:** A command input means 20 commands start of word retrieval and word selection with respect to character information extracted by a character information extract means 10. A display information generating means 40 decides a caption for selecting a word after command of word retrieval start and a display position of explanation of a word retrieved after command of word selection based on a display information storage means 30 and superimposes the result onto the video image. Then a word selected by the command input means 20 and discriminated by a selection information discrimination means 50 is given to a word retrieval means 60, which retrieves the corresponding explanation from a dictionary and a display control means 70 controls display based on display information of the display information generating means 40 and displays the result onto a screen display device 80. Thus, the explanation of the retrieved word is observed while observing the screen

when a caption takes place and the caption itself simultaneously.

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TI - Closed caption decoder with English to Japanese translation function - has display information production part which receives output of word search part and display information storing part and decides caption for chosen word and its corresponding display position

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The decoder has a dictionary (90) which contains the description related to words, to be used as index key. A closed caption signal is extracted from a signal mixture by an extraction part. An indication input part (20) inputs the word choice indication and the word search starting indication from the user. A display information memory (30) stores the display position information on top of a screen. A choice information judging part (50) distinguishes the word selected from the indication input part. The description corresponding to this word is searched from the dictionary by a word search part (60).

- A display information production part (40) receives the output of the word search part and display information storing part and decides the caption for the chosen word and its corresponding display position. A display control part (20) controls a search display device (80) based on the output of display information production part.

- ADVANTAGE - Enables word searching at any time. Improves learning and understanding from user's viewpoint. (Dwg.1/16)